

Table 5 Comparison of Treatment versus. no Treatment on Painted Wood, Vinyl and Windows at 25 Kw/m² with Igniter, no Drying Period (Except for Acti-Quench™)

No. of Tests	Treatment	Siding*	Ignition Delay (s) Average based on No. of Tests
3	None	Painted Wood	32 (84)
1	None	Vinyl	45 (86) (plastic sagged/melted)
2	None	Small Window	106 (96) (time to cracking)
5	Barricade	Painted Wood	557
1	Barricade	Vinyl	130 (plastic sagged/melted)
2	Barricade	Small Window	528 (time to cracking)
5	Nochar	Painted Wood	538
1	Nochar	Vinyl	521 (plastic sagged/melted)
2	Nochar	Small Window	558 (time to cracking)
(3)	Acti-Quench™	Painted Wood	(529)
(3)	Acti-Quench™	Vinyl	(264)* (plastic sagged/melted)
(3)	Acti-Quench™	Small Window	(401)* (time to cracking)

*In the Pacific Fire Laboratory, Inc. protocol the Acti-Quench™ treated vinyl siding and window were dried 60 minutes prior to testing.

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EVALUATION OF MASS LOSS RATE MEASUREMENTS

Figure 1 shows that the mass loss rates for the untreated painted wood, the water treated painted wood, and the Acti-Quench™ treated and 120 minutes dried painted wood specimens were about the same. However, the mass loss rates for the Acti-Quench™ treated specimens that were not dried or were only dried 60 minutes are significantly higher. The mass loss rates of the Barricade and Nod: products (according to Omega Point Labs) were the same for all the untreated and treated, either dried or not dried specimens.

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